

Product datasheet for **MG213122**

A630001G21Rik (NM_177055) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: A630001G21Rik (NM_177055) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: A630001G21Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG213122 representing NM_177055
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTTGGAGTGATCCAGAAAGAGGAACGTTTTAATGAAGTATTTTTAAATTACTTCAAGGAAAATAAAA
 TAGAAATTGCCCATGCAATTACCAAGCTGTTTCCTTTCTAGAAAGCCTAAGGGACCACTCCTTCATCAC
 AGACAAAATCTATGCTGATTCTTACGAAGCCTGTAGGAAGCTCGGTTCCCATAGTGAAGTGGTGTACAAT
 GTTCTCAGTCACCTGGAGAGGTTGTCCGACTCATCGTTTCTATGGGCTCTGTTTAAACAGAGTGAACCTGA
 AGGAATATCCTGCGTTAAGAGAGATTCAAAAAGCCTGGGAAGCTACAGGACGACTCGCCCCA
 GAAATGCAAAACAGGAAGAACAAGAAGCTTGCCACCGTGACCCCAAGTTATGAGCAAGGGACAAAACCTA
 TGCACACATGAAAAATGGGCACAGCCCTGTTTTGTGAAACAAGATAACCTACAGGAGCCAGAGATACAGC
 AGAACCAAGTGGATGAGATCATTGATCAGCAGTGAAGAGCTCAGAGTGCAGTGTGAGGACGAGGAAGA
 CCAAGCCCTGGGCACCGGACTCAGAAGGCAGATGAACAAAGAGGCTGAGGACTCTCCCCCGGGGTTCC
 CAGAACATAGAGCTTCTGCAGGATCTCACACCTCTGTGTCTGGACCAACCACTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG213122 representing NM_177055
 Red=Cloning site Green=Tags(s)

MFGVIQKEERFNEVFLNYFKENKIEIAHAITKLFPFLESLRDHSFITDKIYADSYEACRNSVPIVEVVYN
 VLSHLERLSDSSFLWALFNVRNLKEYPALREIHKSLGTELDGYSPOKCKQEEQKLLATVHPSYEQGTNL
 CTHEKWAQPCFVKQDNLQEPEIQNQVDEIILISSESSECSDEDEEDQALGTGLRRQMNKEAEDSSPPGF
 QNIELPAGSHTSCVWTNHS

TRTRPLE - GFP Tag - V

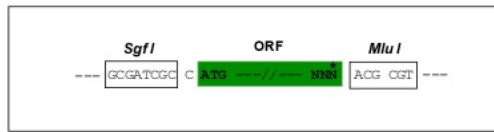


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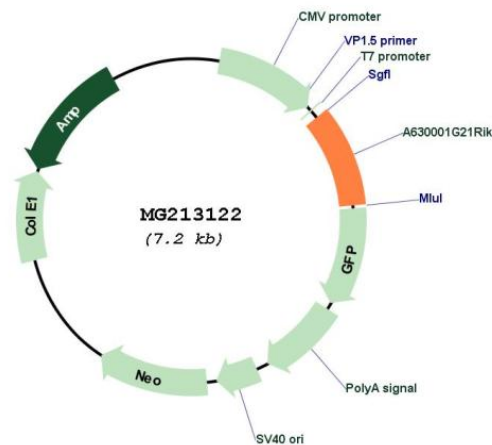
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_177055

ORF Size: 687 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_177055.3, NP_796029.2</u>
RefSeq Size:	1936 bp
RefSeq ORF:	690 bp
Locus ID:	319997
Cytogenetics:	1 C5